

DWC 283
(1 BOTTLE)
JUNE 17, 1959
COLL. DTM

MAINE, Somerset Co., KENNEBEC R. D.,
OUTLET OF EAST POND IN TOWN
OF SMITHFIELD - UNDER BRIDGE
NEAR SUNSET CAMPS - ON
~~RT~~ SIDE - DOWNSTREAM
Left

ROCKS SET IN MUD,
1 MAN HAND COLLECTING 11:45-12:50
CALM H₂O 6" 14" of H₂O

A 52° W 56°

CLOUDY & INTERMITTENT SHOWERS,
No branchiobdellids

O. viridis 1♂ I 4
2♂♂ II 175895
1♀

O. limosus 3♂♂ II 4
1♀ 175896

DWC 284
(1 BOTTLE)
JUNE 17, 1959
COLL. DTM

MAINE, ~~Somerset Co.~~ ^{Kennebec}, KENNEBEC R. DR.
EAST RD. IN TOWN OF ~~Smithfield~~ ^{OAKLAND}
AT ALDEN'S CAMPS - RT. 137
COVERED 400 yds of SHORELINE
MOST WERE TAKEN AT LAST
CAMP TO RIGHT AS CAME
DOWN ROAD.

BOTTOM - ROCKY & MUDDY.
1 MAN HAND COLLECTING 9:30-11:00
FLOW - ROUGH 4"-16" OF HOH
A S20 W590 CLOUDY &
WINDY - INTERMITTENT SHOWERS
WIND FROM NORTH

No branchiobdellids

O. immunis 1 ♀ 175897

O. limosus 1 ♂ II

3 ♂ II or imm.

5 ♂ imm.

1 ♀ (imm.?)

2 ♀ imm.

175898

13

Two colls. from Mass. mixed by collector.

1. Dug Pond, Middlesex Co., Natick, Oct. 16, 1957 (4 specimens).
2. Lake Whalom, Wore. Co., Leominster, Oct. 1957

O. immunis 3 ♂♂ I (one is 21mm. carapace L.)
175664 ~~1 ♀ imm.~~

O. limosus 4 ♂♂ I
175665

O. virilis 5 ♂♂ I (one is 23mm. carapace L.)
175666 5 ♂♂ imm.

2 ♀♀ } 7 ♀
4 ♀♀ (imm. ?)
11 ♀♀ imm. 11 ♀

28

35

DWC 286

Oct. 15, 1957

Coll. Kenneth Wich Jr.

Mass., Franklin Co., Lake Mattawa in town
of Orange.

O. immunis

2 ♂♂ I

1 ♂ II or imm.

7 ♂♂ imm.

3 ♀♀

1 ♀ (imm.?)

9 ♀♀ imm.

175667

DWC 287

Oct. 17, 1957

Coll. Kenneth Wich Jr.

Mass., Worcester Co., Sutton Pond rearing system in
Town of Sutton.

O. virilis

2 ♂♂ I

2 ♂♂ 1mm. (small)

1 ♀

1 ♀ (1mm.?)

2 ♀♀ 1mm. (small)

175668

DWC 288

Oct. 23, 1957

Coll. Kenneth Wich Jr.

Mass., Essex Co., Merrill Pond rearing system
in. N. Andover.

O. virilis

288I

29P

176131

(4)

DWC 289
Oct. 28, 1957
Coll. Kenneth Wick Jr.

Mass., Essex Co., Lake Saltonstall in Haverhill.

O. immunis

1 ♂ I

2 ♂ imm.

2 ♀ imm.

1 ♀ with eggs (carapace length 20.6 mm.)

" eggs appeared sometime between the
date of collection (10/28/57), and the date of
preservation (11/18/57). "

176132

(6)

DWC 290
June 25, 1959
Coll. DWC & D. Mathau

Maine, Penobscot Co., Kennebec R. dr., Echo Lake
(formerly Puffer Pond) 1 mi. SE of Dexter on rt. 94

at outlet, WT 70, AT 72, water clear, bottom
sand + boulders, some light silt. Sky partly cloudy
Hand coll. in up to 3' water. with haze.

O. immunis

18 π

390

June 1959

no branchiobdellids

175889

(4)

51

DWC 291

June 25, 1959

Coll. DWC + D. Mathieu

Maine, Penobscot Co., Kennebec R. de,
L. Wassookeag at Dexter water works stn. #2
on both sides of causeway (rt #23).

Bottom with lg. + med. rocks in gravel + soft muck;
WT 65, AT 68, sky partly cloudy with haze.
Hand coll. in up to 2' of water.

O. virilis

2 ♂♂ I (one is 28.8 mm. carapace l.)

5 ♂♂ II

3 ♂♂ 1 mm.

1 ♀ with ¹⁷² young (49.2 mm. carapace l. -
approx. rostrum broken)

3 ♀♀

June
1959

175900

No branchiobdellids

DWC 292

April 24, 1952

Coll. Giguere + Warren

N.H., Grafton Co., Conn. R. de., Enfield Reservoir.
(Canaan)

O. viridis

2 ♂♂ I

1 ♂ imm.

1 ♀ with eggs (large)

slut June 1954

175753

DWC 293
Aug 21, 1958
Coll. Bill Krome

N.H., Merrimack Co., Merrimack R. dr.,
Jenness Pond in Pittsfield.

O. immunis 1 ♂ I alt June 1959
1 ♂ II

175754

(2)

DWC 294
Aug. 25, 1958
Coll. Arthur D. Riel

N.H., Strafford Co.,
Merrymeeting L. at New Durham.

O. viridis? 3♂♂ I (large) Duct June 1959
[claws & rostra OK, areola wide?,
stylets with central proj. shorter & more
curved than typical - approaching communis.]
1959⁵⁵

DWC 295

2nd, 3rd + 4th wks. in Aug. 1958

Coll. Robt. E. L. Strider Jr.

Mich., Co., L. Michigan.

Mc Gulpin's Point, Mackinaw City

O. viridis 6 ♂♂ II, largest = 30 mm. Carapace L.
2 ♂♂ II or 1 mm.
17 ♂♂ 1 mm. 16 under 15 mm. "
2 ♀♀, larger = 27 mm. "
3 ♀♀ (1 mm.)
14 ♀♀ 1 mm., 11 under 12 mm. "

Discarded Oct. 2, 1971
(rotted + dried)

O. p. propinquus 4 ♂♂ I
1 ♂ II or 1 mm. 175947
10 ♀♀

DWC 296
JUNE 26, 1959
COLL. DTM

MAINE, SOMERSET CO., KENNEBEC R. DT.
NORTH POND IN TOWN OF SMITHFIELD
at northwestern end of rd. leave
highway & take dirt road which
goes around northern & western
shore of North P.d. - after inlet take
1st rt (after bridge) Turn off road
at sign which says La Cason.
& H. big Island.

BOTTOM OF SCATTERED ROCKS
SET IN MUD. MANY LEAVES ON
BOTTOM.

1 MAN HAND COLLECTING 10:35-11:45 AM.
ROUGH H₂O FROM SOUTH, WINDY.

10"-16" OF H₂O

A 56° W 65°

CLOUDY & SHOWERS

July 8, 1959

O. limosus - 1 ♀ 175901

O. rusticus - 2 ♂♂ II 175902

DWC 297

March 18, 1956

Coll. R.K. Chipman

La., Orleans Co., L. Pont. dr.; L. Pontchartrain
at Gentilly Hwy., 4½ mi. W. of industrial canal.

175926

P. clarkii

29j♂, 2♀ 31j♀

(62)

DWC 298
March 19, 1956
Coll. RK & GA Chipman

La., Jefferson Co., L. Pont. dr.; L. Pontchartrain
at Kenner.

175948 P. clarkii 3♂II 2j♂

DWC 299

Oct. 20, 1956

Coll. R.K. Chipman &
R.J. Miller

La., St. Charles Co., L. Pont. dr.; W. end of
L. Pontchartrain at Frenier Beach.

175949 P. clarkii 2j♂, 1j♀

DWC 300
July 14, 1958
Coll. Gustave Todrank

Indiana, Co., dr.,
Rock Creek in Dubois City, 7 mi. W. of Huntingburg.

175950	C. diogenes	⁴ ♂	1j♀	5
175951	O. immunis	2♂ ^I	2♂ ^{II} 7j♂, 2♀	11j♀

DWC 301
Date ?
Call ?

Arkansas, Co., dr.,
Mena.

Purchased from Quivira Specialties Co., 4204
W. 21st St., Topeka, Kans.

Sold as Q. palmeri

Retained by Will Crocker

DMC 302

Date ?

Coll. ?

Missouri,

Co.,

dr.,

Marmel Cave.

Purchased from Geivira Specialties Co.,
4204 W. 21st St., Topeka, Kans.

Sold as C. pellucidus.

Retained by McCracken

DWC 303

July 17, 1959

Coll. by D. Mathieu

2 bottles (#5)

Combined
in one

^{SOMERSET}
Maine, Kennebec Co. Kennebec R. dr.,

North pd. in town of Smithfield At Sunset

camps which is at the eastern end of North

Pd.

Rocks of good size set in a muddy bottom,

Mud caused a slight turbidity in the HOH.

One man hand collecting from 9:30 to 11:00 am

Flow - calm 6" to 24" of HOH.

A74 W 77 Clear day

Moss, algae, rubbish, clams and an occasional
dead fish were present.

O. virilis

1 ♂ I (large)

no branchiobdellids

9 ♂♂ II

Ident.

1 ♂ imm.

Aug. 1959

1492

175906

25

DWC 304
July 20, 1959
Coll. by B. Mathieu
(#6)

Maine, Kennebec Co., Kennebec R. dr.

China Lake in town of China. At the northern
end where the bridge separates the marshy area
from the lake.

Rocky with sand bottom and some clams in sight.

One man hand coll. from 930 to 11:00am

Flow calm 5" to 24" of water.

A 75 W 70 Fair day with some high clouds.

***** +*****

<u>O. limosus</u>	1 ♂ II	no branchiobdellids
Ident.	1 ♂ II or imm.	
Aug 1959	2 ♀	175903

DWC 305

July 20, 1959

Coll. by D. Mathieu

(#7)

Maine, Somerset Co. Kennebec R. dr.

East pd. ^{3 mi. N. of} ~~the~~ town of Oakland. At Davy's oamps
on east side of the pd. (off rt. 137)

Large rocks with sandy bottom.

one man hand coll. from 3:30 to 5:45 pm

Flow calm 10" to 20" of water.

A 80 W71 Clear with heavy clouds setting in.

O. limosus

Ident.
Aug. 1959

2 ♂ II

3 ♂ II or imm.

1 ♂ imm.

4 ♀ (imm.?)

no branchiobdellids

175904

10

DWC 306

July 22, 1959

Coll. by D. Mathieu
(#8)

Maine, Kennebec Co., Kennebec R. dr.

Maranacook L. in town of Winthrop at southern
end of L. near railroad tracksoff Rt. 133.

Rocky bottom with hard clay - some clams in
area.

One man hand coll. from 5:30 to 6:15 pm.

Flow calm 4" to 10" of water.

A 70 W 80 Clear day.

O. limosus

1 ♂ I

no branchiobulbids

2 ♂ II

Ident.

2 ♂ II or 1 mm.

Aug. 1959

6 ♂ 1 mm.

4 ♀

175905

4 ♀ 1 mm.

19

97

DWC 307

July 22, 1959

Coll. by D. Mathieu #9

Maine, Kennebec Co. Androscoggin R. dr.

Pocasset L. in town of Wayne, At southwestern
end in town of Wayne above dam off Rt. 133.

Large rocks - very muddy, much algae and plant
growth.

One man hand coll. from 6:45 to 7:15 pm

Flow calm 4" to 12" of HOH.

A 74 w 80 Clear day

O. limosus

175901

2 ♂ II (1 soft)
2 ♂ II or imm.
2 ♂ imm.
4 ♀ imm.

no branchiobdellids

Ident. Aug. 1959

O. immunis 1 ♂ II or imm.

175908

(11)

DWC 308
JULY 22, 1959
Coll. by D. Mathieu #10

Maine, Kennebec Co., Androscoggin R. dr.

Focasset L. outlet below dam in town of Wayne
off Rt. 133.

Gravel with many rocks

One man hand coll. from 7:15 to 8:10 pm

Flow fast 6th to 10th of HOH.

A 74 W80 Clear day

O. limosus 1 ♂ II no branchiellida
1 ♀
Ident. Aug 1959
175909

(2)

DWC 309

July 28, 1959

Coll. by D. Mathieu #11

Maine, Kennebec Co., Kennebec R. dr.

Lower Narrows pd., ^{2 mi. SE of} ~~the~~ town of Winthrop

At northern end of pd. where road

separates upper Narrows from the Lower

Narrows.

Some rocks in a muddy bottom with some algae

One man hand coll. from 9:30 to 10:45 am

Flow calm 6" to 15" of water.

A 79 W 80 Clear day .

*****P*****

O. limosus 1 ♂ I (aberrant rt. stylet)

7 ♂ II

6 ♀ (several near lower size limit)

no branchiokillula

Ident. Aug. 1959

175910

DWC 310

July 28, 1959

Coll. by D. Mathieu #12

Maine, Kennebec Co. Androscoggin R. dr.

Flying

~~Rocks~~ Pd. in town of Vienna. at boat landing

off road from Mt. Vernon to Vienna. Off Rt. 41.

Rocks, mud and gravel. some algae and weeds

One man hand Coll. from 1:15 to 2: 25.

Flow calm 6th to 24th of HOH.

A 82 w 84 Clear day.

O. rusticus 1 ♂ I (28.2 mm.)

3 ♂♂ II (largest = 41.7 mm.)

4 ♂♂ II or imm.

4 ♀♀

175911

(Using 20 mm. criterion for maturity)

Ident.

Aug. 1959

No branchiobdellids; 1 amphipod with curious projection behind head.

DWC 311

August 1, 1959

Coll. by D. Mathieu #13

Maine, Franklin Co. Androscoggin R. dr.

Rangley L. in Rangley. At Public landing
behind the Chamber of Commerce.

Rocks set in mud. causing the HOH to appear
turbid. Wind from North.

One man hand coll. from 9 to 10:25 am

Flow Rough. Clear day.

A 70 W 76 6th to 24th of HOH.

O. immunis

1 ♂ II

no branchiobdellids

175912

1 ♀ (25.0 mm.)

Ident. Aug. 1959

DWC 312

August 1, 1959

Coll. by D. Mathieu

#14

Maine, Franklin Co. Androscoggin R. dr.

^{2 mi. N. of}
Dodge pd. ~~out side~~ Rangley on rt. 4
near cement bridge.

Rocks set in sand. some algae etc around.

One man hand coll. from 11 to 12 am

Flow calm 4 to 18" of HOH.

A 72 W 77 Clear day.

O. immunis

1 ♂ II

no branchiobdellids

2 ♀

175913

1 ♀ (imm.?)

Ident. Aug. 1959

1 ♀ imm.

DWC 3/3

Aug. 3, 1959

Coll. by D. Mathieu #15

Maine, Kennebec Co., Kennebec R. dr.

, Great Pd. in town of Belgrade Lakes

At Colby's Adult Education camp.

Rocky with much sand.

One man hand coll. from 9:30 to 10:40 am

Flow calm 6" to 28" of HOH

A 64 W 73 Clear day.

O. rusticus 8♂♂ I (one soft; smallest 29.8 mm.)

2♂♂ II

175914

3♂♂ imm.

Ident. Aug. 1959

4♀♀

Branchiobdellids present + saved

DWC 314
August 5, 1959
Coll. by D. Mathieu
#16

Maine, Waldo Co. Kennebec R. dr.

Lake Winnecook ~~in town of~~ Unity

At Windemere dance hall Which is
1 mi. N. of
off Rt. 202 ~~outside~~ Unity

Rocky and very muddy

One man hand coll. from 9:45 to 11 am

Flow moderate 7 to 18" of HOH.

A 62 W 74 Cloudy day

***** *** ***** **

O. limosus 2 ♂ II
1 ♂ II or imm.
1 ♂ imm.
4 ♀
1 ♀ imm.

no branchiopods
Ident. Aug. 1959

175915

(9)

DWC 315

August 5, 1959

Coll. by D. Mathieu #17

Maine, Kennebec Co. Kennebec R. dr.

Messalonskee Stream at Rices Rips

below bridge. off rt. 23, 3 mi. N. of Oakland

Rocky and some mud and algae.

One man hand coll. from 2 to 2:45pm

Flow calm 4 to 12" of HOH

A 66 W 77 Cloudy day.

O. imosus 1 ♂ II (soft, 28.6 mm.)

1 ♀

Ident. Aug. 1959

2 ♀ imm.

176024

Notranchistellids

4

DWC 316

August 6, 1959

Coll. Dth & J. Couture
#18

Maine, Franklin Co. Kennebec R. dr.

Wilson Pd. in town of Wilton at eastern

end of lake behind Ye Braelook camp

To right of town bridge off Rt. 2.

Rocky and sandy . Some plant life

such as Bladder plant.

2 persons hand coll. from 7:30 to 8 am.

Flow calm 2 to 8" of HOH

A 62 W 72 Cloudy skies.

<u>O. limosus</u>	1 ♂ I	no branchiobdellids
	2 ♂ II	
176025	3 ♂ II or imm.	Ident. Aug. 1959
	2 ♂ imm.	
	2 ♀	
	1 ♀ imm.	

11
100

DWC 317

August 6, 1959

Coll. by D. Mathieu & J. Couture

#19

Maine, Franklin Co., Androscoggin R. dr.

Hills Pd. in Perkins Plantation. 1 Mi. N of WASHINGTON PLANTATION
400 feet after Morses store off Rt 156 1.4 MILES SOUTH OF before Weld.

at the local picnic area.

Muddy bottom with alot of leaves and som rooks.

2 persons hand coll. from 8:30 to 9 am

Flow calm 6 to 18" of HOH.

A 60 W 71 Cloudy Day.

O. immunis 399 no branchodellids
Ident. Aug. 1959 1 ♀ imm.
17600

DWC 318

August 6, 1959

Coll. by D. Mathieu J. Couture

2 bottles. #20

Maine, Franklin Co. Androsoggin R. dr.

Lake Webb ~~in town of Weld~~. At state park *at S. end
of lake*

Rocky with a sand bottom.

2 persons hand coll. from 10 to 11:30 am

Flow calm 4 to 18" of HOH.

A 65 W 74 Clear day.

O. obscurus

(20 mm. criterion of maturity)

23 ♂♂ (largest 32.5 mm., smallest 23.5 mm.)
7 ♂ imm.

Ident. Aug. 1959

1 possible branched bellied
saved

31 ♀♀ (largest = 40.0 mm., has eggs (insect?)
on an external gill, another gill
a mere stub; 4 ♀♀ with sperm
plugs, smallest 24.0 mm.)
7 ♀ imm.

176026

DWC 319

August 6, 1959

Coll. by D. Mathieu & J. Couture

#21

Maine, Oxford Co. Androscoggin R.

1.5 mi. SW of town of Bryant Pond.

W. shore of Bryant Pd., ~~in town of West Paris~~ at the

Conservation camp. In cove under beats
and rocks.

Rocks and muddy.

2 persons hand coll. from 2 to 2:45 pm

Flow Rough 3 to 18" of HOH.

A 65 W 70 Light shower at time and
windy - coming from north.

O. limosus

2 ♂♂ I (smaller = 24.9 mm.)

1 ♂ II

Ident. Aug. 1959

3 ♂♂ II or imm.

4 ♂♂ imm.

no branchiobellids

1 ♀

4 ♀♀ imm.

176027

DWC 320

August 6, 1959

Coll. by D. Mathieu J. Cout-

ure

#22

Maine, Oxford Co. Androscoggin R. dr.

South pd., ^{1/2 m. S. #} ~~in town~~ of Locke Mills.

Take road off Rt. 26 at Greenwood lodge;

location is near bridge on both sides

of the road.

Rocky and gravel - HOH had a reddish color.

2 persons hand coll. from 3:15 to 3:45pm

Flow calm 3 to 18" of HOH.

A 65 W 72 Cloudy and a brief shower.

176028 O. immunis 2♂T

no branchiobdellids

176029 O. imosus 1♂I
1♂II
2♂♂imm.
1♀(imm.?)

Ident. Aug. 1959

DWC 321

August 6, 1959

Coll. by D. Mathieson J. Couture

#23

Maine, Oxford Co. Androscoggin R. dr.

^{1/4 mi. S.}
North Pd. ~~in town~~ of Looke Mills.

First bridge after Greenwood lodge on ~~tt~~ rt. 26
next to pionic area.

Rocks set in mud with much algae and
plant growth.

Two persons hand coll. from 3:50 to 4:10pm

Flow moderate 4 to 10" of HOH.

A 65 W 72 Cloudy and a brief shower.

***** ** *****

176030 O. immunis 1♀ imm.

no branchiokellids

176031 O. limosus 1♂ imm.

Ident. Aug. 1959

DWC 322

August 6, 1959

Coll. by D. Mathieu + J. Couture

#24

Maine, Oxford Co. Androsooggin R. dr.

Richardson L. in ^{town of} South Arm on Rt. 5

along east shore.

Rocky with mud and gravel alot of drift wood.

2 persons hand coll. from 5:30 to 6:45pm

Flow calm 2 to 28" of water.

A 63 W 68 cloudy with some sun.

O. virilis 1 ♂ I (soft + large)
175916 1 ♀ imm.

no branchiobdellids

O. immunis 1 ♂ II
175917 1 ♂ imm.

Ident. Aug. 1959

(4)

DWC 323

August 6, 1959

Coll. by D. Mathieu & J. Coutur

#25

Maine, Franklin Co. Androscoggin R. dr.

2 mi. W.
L. Webb, ~~in town~~ of Weld at northern end of lake.
off road to state park.

Sandy bottom near some weeds.

2 persons hand coll. from 9:30 to 9:40 am

Flow calm 6" of HOH.

A 64 W 74 Clear and sunny.

O. obscurus 1♀ no branchiellids

Ident. Aug. 1959 175952

DWC 324

Aug 8, 1959

Coll. by J. Couture

(DTM #26)

Maine, Somerset Co. Kennebec R. dr.

North pd. at the northern end of the

pd. opp. the island.

Rocks with some mud. cloudy day.

Flow moderate

1 person hand coll. in the afternoon.

O. virilis 4 ♂ imm. (small)
176032 3 ♀
1 ♀ imm.

8

no branchiodellids

Ident. Aug. 1959

O. limosus 1 ♂ II
176033 2 ♂ imm.
1 ♀ (imm.?)
2 ♀ imm.

6

(14)

15

DWC 325

August 8, 1959

Coll. by J. Couture

(DTM #27)

Maine, Kennebec Co. Kennebec R. dr.

Great pd. at Crystal Springs camps [run

by Lee Williams] at northern end of pd.

rocks.

one person hand coll. in the afternoon

Flow moderate.

cloudy skies.

O. rusticus 588^I (1 soft; Smallest 27.6 mm.)
Ident. Aug. 1959 288^{II}
8⁹² Branchiobdellids Saved

Branchiobdellids saved

175918

DWC 326

Aug 13, 1959

Coll. by D. Mathieu & J. Couture

#28

Maine, Hancock Co. Drains into stream

which goes to ocean.

Graham L. off Rt. 179 ^{5 mi. N. of Ellsworth} in front of a

registered guide's home. southeastern part
of lake. First crayfish seen 4 years ago.

Very muddy and a few rocks alot of drift
wood and cans. some weeds and algae.

2 persons hand coll. from 7:30 to 8:30 pm.

Flow calm 4 to 10" of HOH.

approximate A 73 W 70 Clear day.

O. immunis 4 ♂ imm.

no branchioidella

Ident. Aug. 1959

3 ♀

1 ♀ (imm.?)

176034

(8)

17

DWC 327

Aug 13, 1959

received by DTM from Guide.

#29

MAINE, Hancock Co. Drains into stream which goes into ocean.

Graham L. off Rt. 179 at the guide's camp.

2 crayfish caught by guide on previous day.

Taken out of bottle 4 days later, one day after they died. *Seen mating in bottle.*

O. immunis 1 ♂ I 176035
1 ♀
Ident. Aug. 1959

DWC 328

August 15, 1959

Coll. by D. Mathieu #30

Maine, Kennebec Co. Androscooggin R. dr.

^{1 1/2 mi. E. of}
Pocasset L., ~~outside~~ Wayne. Take first right

and proceed down northern side of lake.

located at Cyril Codere's camp.

Rocky with some mud and weeds.

one person hand coll. from 4 to 5: 15pm

Flow calm 6 to 10" of HOH.

Approximate A 85 w 75 sunny and humid

O. immunis

2♂♂ I (1 has rt. stylet form II)

1♂ II

Ident. Aug. 1959

1♂ imm.

no branchiobdellids

176036

3♀♀

3♀♀ imm.

10

DWC 329

August 15, 1959

Coll. by D. Mathieu #31

Maine, Kennebec Co. Androscoggin R. dr.

Androscoggin L. - take first left after bridge
in town of Wayne. and bear right until
come to the lodge.

Rocks with some mud. Weeds and algae.

One person hand coll. from 6:30 to 7:30pm

Flow calm 5 to 9" of HOH.

Approximate A 78 W 74 Clear day

O. immunis 4 ♂ imm.

Ident. Aug. 1959

175954 2 ♂

2 ♀ imm.

no branchiobdellids

O. limosus 2 ♂ imm.

175953 2 ♀ imm.

DWC 330

August 17, 1959

Coll. by D. Mathieu #32

Maine, Somerset Co. Penobscot R. dr.

Pleasant pd., ^{3 mi. E.} ~~in town~~ of Caratunk. Off

Rt. 201 take Right at Caratunk.

West Side camps on western side of lake at
boat landing.

Rocks set in sand, very clear HOH.

One person hand coll. from 9:45 to 11:15am.

Flow calm 4 to 28" of HOH.

Approximate A 75 W 65 clear day.

O. limosus 5 ♂♂ II (not much over 23 mm.)

176037 2 ♂♂ imm.

6 ♀♀ (1 very soft; 1 with masculinized
rt. 1st. pleopod)

Ident. Aug. 1959

no branchiellids

DWC 331

August 18, 1959

Coll. by D. Mathieur J. Couture

#33

Maine, Piscataquis Co. Penobscot R. dr.

Sebect L. 5 miles ^{N of} outside Dover Foxcroft

on Rt. 153 at ^{Town of} Greeleys Landing.

Rooky and sandy.

Two persons Hand Coll. from 7:25 to 7:45am.

Flow calm 5 to 8" of HOH.

Approximate A 70 W 70 Cloudy with sun

Salamander seen.

O. limosus 3♂♂ II (2 very soft)

3♀ (imm.?)

1♀ imm.

Ident. Aug. 1959

176038

no branchiobdellids

DWC 332

August 18, 1959

Coll. by D. Mathieu J. Couture

#34

Maine, Piscataquis Co. Kennebec R. dr.

Moosehead L. in town of Greenville at

Holt's Flying Service to the right.

Big rocks set in mud.

2 persons hand coll. from 9:30 to 10am.

Flow calm 12" of HOH.

Approximate A72 W 70 Cloudy and light rain.

O. virilis 298

Ident. Aug. 1959

no branchiellids

176039

(2)

123

DWC 333

August 18, 1959

Coll. by D. Mathieu^{J.} Coutu^e

#35

Maine, Piscataquis Co. Kennebec R. dr.

Western outlet of Moosehead L. above dam on right.

off Rt. from Greenville to Rockwood (Rt. 15)

Rocks set in mud, and some weeds.

2 persons hand coll. from 10:50 to 11:30 am.

Flow calm 8 to 15" of H₂O.

Approximate A74 W 70 sunny with high clouds.

O. immunis

1♂ I

1♂ imm.

no branchiellids

Ident. Aug. 1959

175857

(2)

124

DWC 334

Sept 8, 1959

Coll. by D. Mathieu

236

Maine, Kennebec Co. *Kennebec R. D. r.*

Pleasant Pd. *approx. 5 mi. SW*
~~going south out~~ of Gardiner

on rt. 201. At a private picnic area within
30 yards of the highway.

Rocks set in the sand with much algae
in the vicinity.

m One man hand coll. from 7:45 to 9:15

Flow calm 4 to 12" of HOH.

Hot and humid and clear skies.

Dtn Oct '59

O. limasus

203 IT

288 mm.

292

398 (imm?)

no branchiobdellids

175863

9

125

DWC 335

Sept. 8, 1959

Coll. by D. Mathieu #37

Maine, Androscoggin Co. Androscoggin R. dr.

Sabattus ^{Pd.}, 1.5 miles north of Sabattus, at
public beach also a picnic area. Located at
Lambert's store.

Rocks and some mud. A lot of algae
enough to close the area to swimming.
One man hand coll. from 10:15 to 11am
Flow calm 4 to 8' of HOH.

Sunny and humid with clear skies.

Oct.
Ditm. ~~Sept.~~ 1959

O. limosus: 7 ^{compae}BI (smallest, 25.7 mm.)
2 BI or imm. (29.8 + 21.5)
2 BI imm.
7 ♀
2 ♀ (imm.?), (22.5 + 21.2)
5 ♀ imm.

175858

no branchiobdellids

DWC 336

Sept. 9, 1959

Coll. by D. Mathieu #38

Maine, Kennebec Co. Kennebec R. dr.

E. side of Cobboscontee^e Lake; Take first 1 left

after light in Manchester. Proceed

down east side of lake until the outlet is reached

at southern end.

Rocks, mud and weeds and wood.

One man hand coll. from 8 to 8:35am

Flow calm 6 to 15' of HOH.

Clear with slight breeze.

O. limosus

From Sept. 1959
Det.

4 ♂ I

1 ♀ (imm?)

no branchio bdellids

175859

(5)

DWC 337

Sept. 9, 1959

Coll. by D. Mathieu #39

Maine, Kennebec Co. Kennebec R. dr., S. end of Lower
Tacoma L. 300 yds before ^{connection of Upper & Lower Lakes,} ~~town of Tacoma.~~
2 mi. E. of S. Monmouth.
(at camp Lintonaa on rt. 126 on way to Lewiston)

Gravel and sand.

One person hand coll. from 9 to 925am

Flow calm 5th of HOH.

Clear day.

Item. Oct. 1959

no branchiobdellids

O. limosus

1 ♂ I (21.6 mm. carapace)

3 ♂ imm.

4 ♀ imm.

175860

DWC 338

Sept. 9, 1959

Coll. by D. Mathieu #40

Maine, Kennebec Co. Androscoggin R. dr.

~~CROUCHED PD,~~ ^{just}
~~Private~~ pd. in town of Fayette, above dam.

Mud rocks and algae.

One man hand coll. from 12 to 12:20am

Flow calm 3" of HOH.

Clear day.

Dtm. Oct. 1959

no branchiobdellids

O. virilis 292 (imm?)

175861

(2)

129

DWC ~~340~~ 339
Sept. 9, 1959
Coll. by D. Mathieu ~~#42~~
#41

Maine, Kennebec Co. Androsoggin R. dr., W. shore of W.
1 mi. NW of Fayette
arm of Echo lake Take Rt 17 out of Fayette
and go 1.7 miles north and take camp rd.
on the right and go to Tuttle's oamp .75 miles East.

Caught ~~1~~ ^{one} small orayfish and took ~~1~~ ³ from
Mr. Tuttle's bait trap.

Gravel, sand and leaves.

One person hand coll. from 12:45 to 1:15pm

Flow calm 8 to 18" of HOH.

Clear day.

Detm. Oct. 1959

no dranchiobdellids

O. immunis, 2 ♂♂ imm

O. viridis, 2 ♂♂ I (large) 175862
1 ♂ II
1 ♀

(4)

DWC 340

Sept. 9, 1959

Coll. by D. Mathieu #42

Maine, Kennebec Co. Kennebec R. dr.

S. end *just above dam.*
~~Outlet~~ of Torsey L. on rt. 17 between

Reedfield and Kentshill Hill.

Weeds mud and small rocks.

One man hand ocll. from 1:50 to 2:10 pm.

Flow calm 8" of HOH.

Clear day.

Determ. Oct. 1959

no branchiobdellids

O. immunis, 288 mm.

175864

DWC ~~337~~ 341

Sept. 9, 1959

Coll. by D. Mathieu #43

Maine, Kennebec Co. Androscoggin R. dr., *outlet of*
Lovejoy pd in town of N. Wayne, ^{just} below dam.

Rocks algae and mud.

One person hand coll. from 11:20 to 11:40am

Flow moderate 5" of HOH.

Clear day.

** *****

Dtn. Oct. 1959

no branchiobdellids

O. viridis, ~~2 ♂♂ I (large)~~
~~1 ♂ II~~
~~1 ♀~~

3 ♂♂ I (Smallest 29.7 mm. Carapace)

1 ♂ II

10 ♂♂ imm. (some near upper size limit or
slightly beyond)

2 ♀♀

5 ♀♀ (imm.?)

175865

DWC 342

Sept. 11, 1959

Coll. by D. Mathieu #44

Maine, Androscoggin Co. Androscoggin R. dr.

Tripp pd. 3.5 miles west of Mechanic Falls.

(on rt. 11 Cross Rt26 ~~at~~ and it is 1.5 miles
to the lake, Collected in front of the 'Lobster Land')

Gravel and sand

One person hand coll. from 8:15 to 8:45 am

Flow fast 4th of HOH

rain cold (50⁰)

Determ. ~~to~~ Oct. 1959

Branchiobdellids saved

O. limosus, 3 ♂♂ I

1 ♂ II or imm.

3 ♂♂ imm.

2 ♀ 1 j ♀

175866

(10)

O. immunis, 2 ♂♂ I

1 ♂ II or imm.

(2 ♀♀

1 ♀ (imm.?)

175867

(6)

(16)

DWC 343

Sept. 11, 1959

Coll. by D. Mathieu #45

Maine, Oxford Co. Androscooggin R. dr.

Thompson L. in town of Oxford, at boat landing
and at the American Legion swimming area.

Rocks sand mud drift wood.

One person hand coll. from 9:15 to 9:30 am

Flow moderate 5" off HOH.

Cloudy cold windy and intermittent showers.

Determ. Oct. 1959

Branchiobdellids saved

O. lineatus 2 ♂♂ I

175869 1 ♂ imm.

1 ♀ (with sperm plug, 24.5 mm. carapace) (4)

O. immensis 5 ♂♂ I (smallest 13.0 mm. carapace)

175868 1 ♂ imm. (6)

DWG 344
Sept. 11, 1959
Coll. by D. Mathieu
#46

Maine, Oxford Co., Androscoggin R. dr.

PENNESSEE WASSEE ^{L. 1 mi. W} ~~in town of Norway.~~ Take

Rt. 118 out of the town and go west for ~~a~~ mile;
200 yds before picnic area take a right
and go 100 yds - collected on both sides of the road.

Rocks, weeds, sand, and mud.

One person hand coll. from 10 to 10:30 am

Flow moderate 6 to 10" of HOH.

Rain cold and windy.

Determ. Oct. 1959

Branchiobdellids saved

O. limosus, 288 I (one with 23.8 mm. carapace) (9)
175870 488 imm.
399 imm.

O. immutis 18 I (22.0 mm.) (3)
175871 18 II
19 imm.

(12)

DWC 345
Summer 1959
Coll. Andrew Sheldon

N. H., Hillsborough Co., Merrimack ds.,
Steven's Pond in Manchester

O. viridis

12 ♂♂ I

4 ♂♂ II

1 ♂ imm

2 ♀ imm

175919

O. immunis

1 ♂ I

175669

(1)

det. Nly 30,
1969

(20)

Steven's Pond Manchester

Hillsborough Co., N.H.

Area 29 A.

Av. Depth 8.3 ft.

Max. depth 17 ft.

Water chemistry

Depth	pH	Oxygen	
0-8	6.8	8.8-9.0	ppm
17	6.0	1	ppm

DWC 345
Summer 1959
Coll. Andrew Sheldon

Shore

Wooded 55% Swamp 40% Meadow 5%

Bottom

Gravel 10% Muck 90%

Two gravel shoals. Large amounts of woody material incorporated in the bottom.

Vegetation

Both emergent and submergent--scant

Plankton-- 3.8 cc./cu. meter

Forage fish --common

Fish--Shiners, chain pickerel, yellow perch, sunfish, brook pout and white suckers

This pond was stocked in 1953 with crayfish from an unknown source.

DWC 346
July 9, 1959
Coll. Andrew Sheldon

N.H., Belknap Co., Merrimack dr.,
Little River at Barnstead.

O. virilis det July 30, 1959
1♀ 175610

Little R. (Merrimack watershed)

Barnstead, Belknap Co., New Hampshire

July 9, 1959

DWC 346

July 9, 1959

Coll. Andrew Sheldon

Habitat:

Water temp.

58°F

Air 68°F

pH 6.6

water color - clear to light tea

depth - very shallow to 5 ft.

bottom - sand, rubble & some boulders &

thin layer of silt in many spots.

Some dead sticks & leaves.

Banks undercut in some sections.

Associated fauna:

brook trout

brown trout

common bullhead

golden sucker

blacknose shiner

blacknose dace

method of collection - electric shocker

A student of Miss Odell Johnson, Colby NSF Inst.,
Summer 1959

1133 Cedar Street
Abilene, Texas
December 12, 1959

Dear Mr. Crocker, Crayfish: DMC 347

I am very sorry to be so late with my reply to your letter of September. I have, however, been extremely busy here. I will try to supply the information you requested about the crayfish from Texas.

1. The collecting spot is about forty feet from the Ft. Phantom Hill Lake spillway road and about twenty feet from the spillway itself. It is about twenty-five yards from a side road leading north from the spillway road. It is west of this side road.
2. The date of collection was August 2, 1959.
3. The habitat was:
 - A. in all but stagnant water.
 - B. the bottom was soft and silty.
 - C. the pool often dries up in the hot summer months. The unusually "cool" summer and welcome extra amount of moisture accounts for the water there at that time.

If this information is not sufficient I will + + +

DWC 347
Aug. 2, 1959
Coll. John Boyd

Texas, Taylor Co., Brazos River dr.

Pool near spillway of Fort Phantom Hill
Lake, about 12 mi. N. of Abilene.

175955 *P. gracilis* 3♂I 3♂II 3♀